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Holtsville, N.Y. 11742-1300  
<http://www.symbol.com>

## Patents

This product is covered by one or more of the following U.S. and foreign Patents:

U.S. Patent No. 4,593,186; 4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095;  
4,758,717; 4,760,248; 4,806,742; 4,816,660; 4,845,350; 4,896,026; 4,897,532; 4,923,281;  
4,933,538; 4,992,717; 5,015,833; 5,017,765; 5,021,641; 5,029,183; 5,047,617; 5,103,461;  
5,113,445; 5,130,520; 5,140,144; 5,142,550; 5,149,950; 5,157,687; 5,168,148; 5,168,149;  
5,180,904; 5,216,232; 5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791;  
5,250,792; 5,260,553; 5,262,627; 5,262,628; 5,266,787; 5,278,398; 5,280,162; 5,280,163;  
5,280,164; 5,280,498; 5,304,786; 5,304,788; 5,306,900; 5,324,924; 5,337,361; 5,367,151;  
5,373,148; 5,378,882; 5,396,053; 5,396,055; 5,399,846; 5,408,081; 5,410,139; 5,410,140;  
5,412,198; 5,418,812; 5,420,411; 5,436,440; 5,444,231; 5,449,891; 5,449,893; 5,468,949;  
5,471,042; 5,478,998; 5,479,000; 5,479,002; 5,479,441; 5,504,322; 5,519,577; 5,528,621;  
5,532,469; 5,543,610; 5,545,889; 5,552,592; 5,557,093; 5,578,810; 5,581,070; 5,589,679;  
5,589,680; 5,608,202; 5,612,531; 5,619,028; 5,627,359; 5,637,852; 5,664,229; 5,668,803;  
5,675,139; 5,693,929; 5,698,835; 5,705,800; 5,714,746; 5,723,851; 5,734,152; 5,734,153;  
5,742,043; 5,745,794; 5,754,587; 5,762,516; 5,763,863; 5,767,500; 5,789,728; 5,789,731;  
5,808,287; 5,811,785; 5,811,787; 5,815,811; 5,821,519; 5,821,520; 5,823,812; 5,828,050;  
5,848,064; 5,850,078; 5,861,615; 5,874,720; 5,875,415; 5,900,617; 5,902,989; 5,907,146;  
5,912,450; 5,914,478; 5,917,173; 5,920,059; 5,923,025; 5,929,420; 5,945,658; 5,945,659;  
5,946,194; 5,959,285; 6,002,918; 6,021,947; 6,029,894; 6,031,830; 6,036,098; 6,047,892;  
6,050,491; 6,053,413; 6,056,200; 6,065,678; 6,067,297; 6,082,621; 6,084,528; 6,088,482;  
6,092,725; 6,101,483; 6,102,293; 6,104,620; 6,114,712; 6,115,678; 6,119,944; 6,123,265;  
6,131,814; 6,138,180; 6,142,379; 6,172,478; 6,176,428; 6,178,426; 6,186,400; 6,188,681;  
6,209,788; 6,209,789; 6,216,951; 6,220,514; 6,243,447; 6,244,513; 6,247,647; 6,308,061;  
6,250,551; 6,295,031; 6,308,061; 6,308,892; 6,321,990; 6,328,213; 6,330,244; 6,336,587;  
6,340,114; 6,340,115; 6,340,119; 6,348,773; 6,380,949; 6,394,355; D305,885; D341,584;  
D344,501; D359,483; D362,453; D363,700; D363,918; D370,478; D383,124; D391,250;  
D405,077; D406,581; D414,171; D414,172; D418,500; D419,548; D423,468; D424,035;  
D430,158; D430,159; D431,562; D436,104.  
Invention No. 55,358; 62,539; 69,060; 69,187, NI-068564 (Taiwan); No. 1,601,796; 1,907,875;  
1,955,269 (Japan); European Patent 367,299; 414,281; 367,300; 367,298; UK 2,072,832; France  
81/03938; Italy 1,138,713  
rev. 06/02

## Introduction

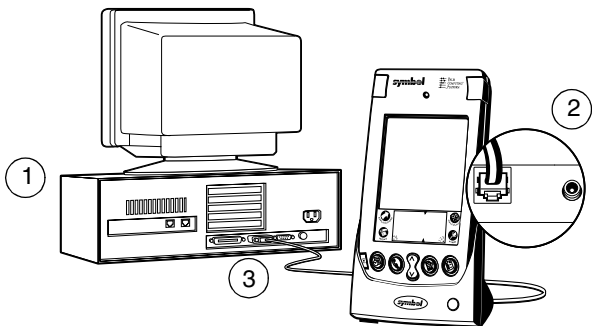
The Symbol Technologies' CRD 1500-1000SC cradle serves as an essential data communications device, enabling you to synchronize the information on your SPT 1500 terminal and the Palm Desktop software using HotSync® technology. It also provides charging capability for terminals equipped with a rechargeable battery pack. With customized or third party software, it can also be used to synchronize your SPT 1500 terminal with corporate databases and other host computers.

This guide covers the set up and use of the SPT 1500 Cradle. For more information about the SPT 1500 terminal, please refer to the *SPT 1500 Quick Reference Guide* (p/n 70-33756-xx) or the *SPT 1500 Product Reference Guide* (p/n 70-33757-xx).

## Setting up the Cradle

The cradle is designed to either sit on a desk or be mounted on a wall. A special bracket that provides easy wall mounting is available from Symbol.

1. Turn off your host computer.
2. Plug the communication cable's RJ-41 connector into the serial port on the cradle.
3. Connect the DB-9 connector to the serial communications port on your host computer.



**Note:** Your CRD 1500-1000SC requires a dedicated port. It cannot share a port with an internal modem or other device. If you are unsure about the exact location of the serial port on your computer, refer to the user's manual supplied with the computer.

4. Plug the power connector into the back of the cradle and the other end to the wall outlet.

**Note:** Use only a Symbol-approved power supply, output rated 8 VDC and minimum 700mA. The power supply is certified to EN60950 with SELV outputs.

**Hinweis:** Benutzen Sie nur eine Symbol Technologies genehmigt Stromversorgung in den Ausgabe: 8 VDC und minimum 700mA. Die Stromversorgung ist bescheinigt nach EN60950 mit SELV Ausgaben.

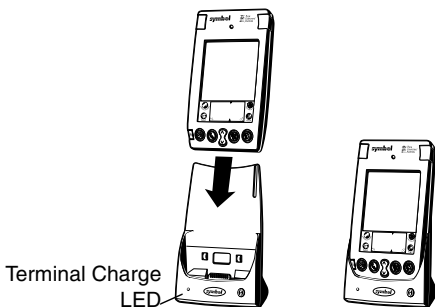
## Charging the SPT 1500 Battery Pack

The cradle may also be used to charge terminals equipped with a rechargeable NiMH battery pack. To charge the terminal's battery:

1. Ensure the cradle is powered on.

## Q u i c k   R e f e r e n c e

2. Insert the terminal in the cradle.



The Terminal Charge LED turns red to indicate charging. The terminal's battery is fully charged in no more than three hours. The Terminal Charge LED turns green when the battery is fully charged.

**Note:** Frequent insertion and removal of the terminal in the cradle may decrease battery life.

**Note:** If the battery in the terminal is low, the Terminal Charge LED may flicker or turn yellow during a HotSync operation. The LED returns to red when the operation is complete.

## Installing the HotSync Software

Using HotSync technology, you can fully synchronize the information on your SPT 1500 terminal with the information on your computer. Changes you make on your SPT 1500 terminal or Palm Desktop appear in both places after you synchronize.

For instructions on installing the HotSync Software, please refer to the *SPT 1500 Product Reference Guide*, p/n 70-33757-xx.




## Performing a HotSync Operation for the First Time

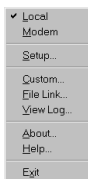
The first time you synchronize your data, you need to enter user information on both the SPT 1500 terminal and the Palm Desktop. Once you enter this information and synchronize, the HotSync Manager recognizes your SPT 1500 terminal and doesn't ask for this information again. If you are a System Administrator preparing several SPT 1500 connected terminals for a group of users, see *Creating a User Profile* in the *SPT 1500 Product Reference Guide* before performing the following steps.

**Note:** You must perform your first HotSync operation with a local, direct connection, rather than using a modem.

To perform a HotSync operation for the first time:

1. Double-click the Palm Desktop icon on the Windows desktop (or select Palm Desktop from the Start menu) to start the Palm Desktop software.
2. Click the  icon in the Windows System Tray to open the HotSync Manager menu.

**Note:** The Windows System Tray is usually in the lower-right corner on your computer display. The location may vary depending on the location of the taskbar and the version of Windows you are using.




3. Click Local from the HotSync Manager menu to indicate that you are using the cradle to synchronize.

## Q u i c k R e f e r e n c e

4. Turn on the SPT 1500 terminal and slide it into the cradle.

Note: The curved edge on the bottom of the SPT 1500 terminal should align smoothly with the cradle when it is inserted properly.

5. Press the  button on the front of the cradle to open the New User dialog.
6. Enter a user name for your SPT 1500 terminal and click the OK button to open the HotSync Progress dialog and start the synchronization process.

Note: Every SPT 1500 connected terminal should have a unique name. Never try to synchronize more than one SPT 1500 connected terminal to the same user name.




The HotSync progress window appears on the desktop. A similar screen displays the HotSync progress on the SPT 1500.

7. Wait for Palm Desktop to display a message indicating that the process is complete.

## Conducting a Local HotSync Operation

After you complete the first HotSync operation, the HotSync process is even faster and easier!

To conduct a local HotSync operation:

1. Insert the SPT 1500 terminal in the cradle.
2. If the HotSync Manager is not running, start it.
3. Press the  button on the front of the SPT 1500 cradle to start the HotSync process.
4. Wait for Palm Desktop to display a message indicating that the process is complete.

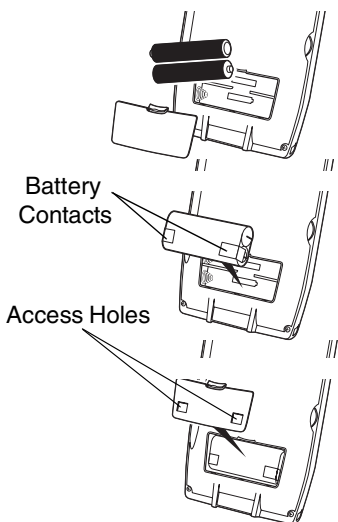
## Troubleshooting

If you require more detailed information on the HotSync process, please refer to the HotSync chapter in your *SPT 1500 Product Reference Guide*, p/n 70-33757-xx.

## Rechargeable Battery Installation

To replace the dry cell batteries in the SPT 1500 terminal with the rechargeable battery pack:

1. Remove battery cover on rear of terminal.
2. Pull the tether up to release the two dry cell batteries.
3. Insert rechargeable battery pack, making sure the tether is in place underneath. Be sure the battery pack is inserted in the proper orientation, with the battery contacts facing outward.
4. Install new battery door (two square holes). The battery contacts will be visible through the two square holes in the battery door.





## Regulatory Information

All Symbol devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as require.

Any changes or modifications to Symbol Technologies equipment, not expressly approved by Symbol Technologies, could void the user's authority to operate the equipment.



### Radio Frequency Interference Requirements

**Note:** This equipment has been tested and found to comply with the limits for a

Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

## Power Supply

**Note:** Use only a Symbol-approved power supply output rated 8.0 Vdc and minimum 700 mA. The power supply is certified to EN60950 with SELV outputs.

**Hinweis:** Benutzen Sie nur eine Symbol Technologies genehmigt Stromversorgung in den Ausgabe: 8.0 Vdc und minimum 700mA. Die Stromversorgung ist bescheinigt nach EN60950 mit SELV Ausgaben

### **Radio Frequency Interference Requirements - Canada**

This device complies with RSS 210 of Industry & Science Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.



### **Statement of Compliance**

*Symbol Technologies, Inc., hereby declares that this device is in compliance with all the applicable Directives, 89/336/EEC, 73/23/EEC. A Declaration of Conformity may be obtained from <http://www2.symbol.com/doc/>:*

## Warranty

(A) Seller's hardware Products are warranted against defects in workmanship and materials for a period of **three (3) months** from the date of shipment, provided the Product remains unmodified and is operated under normal and proper conditions. Warranty provisions and durations on software, integrated installed systems, Product modified or designed to meet specific customer specifications ("Custom Products"), remanufactured products, and reconditioned or upgraded products, shall be as provided in the applicable Product specification in effect at the time of purchase or in the accompanying software license. (B) Products may be serviced or manufactured with parts, components, or subassemblies that originate from returned products and that have been tested as meeting applicable specifications for equivalent new material and Products. The sole obligation of Seller for defective hardware Products is limited to repair or replacement (at Seller's option) on a "return to service depot" basis with prior Seller authorization. Shipment to and from Seller will be at Seller's expense, unless no defect is found. No charge will be made to Buyer for replacement parts for warranty repairs. Seller is not responsible for any damage to or loss of any software programs, data or removable data storage media, or the restoration or reinstallation of any software programs or data other than the software, if any, installed by Seller during manufacture of the Product. The aforementioned provisions do not extend the original warranty period of any Product that had either been repaired or replaced by Seller. (C) The above warranty provisions shall not apply to any Product (i) which has been repaired, tampered with, altered or modified, except by Seller's authorized service personnel; (ii) in which the defects or damage to the Product result from normal wear and tear, misuse, negligence, improper storage, water or other liquids, battery leakage or failure to perform operator handling and scheduled maintenance instructions supplied by Seller; (iii) which has been subjected to unusual physical or electrical stress, abuse, or accident, or forces or exposure beyond normal use within the specified operational and environmental parameters set forth in the applicable Product specification; nor shall the above warranty provisions apply to any expendable or consumable items, such as batteries, supplied with the Product. EXCEPT FOR THE WARRANTY OF TITLE AND THE EXPRESS WARRANTIES STATED ABOVE, SELLER DISCLAIMS ALL WARRANTIES ON PRODUCTS FURNISHED HERUNDER INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. SOME STATES OR COUNTRIES DO NOT ALLOW A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS. IN SUCH STATES OR COUNTRIES, FOR SUCH PRODUCTS, SOME EXCLUSIONS OR LIMITATIONS OF THIS LIMITED WARRANTY MAY NOT APPLY. The stated express warranties are in lieu of all obligations or liabilities on the part of Seller for damages, including but not limited to, special, indirect or consequential damages arising out of or in connection with the use or performance of the Product or service. Seller's liability for damages to Buyer or others resulting from the use of any Product or service furnished hereunder shall in no way exceed the purchase price of said Product or the fair market value of said service, except in instances of injury to persons or property.

## Service Information

Before you use the unit, it must be configured to operate in your facility's network and run your applications.

If you have a problem running your unit or using your equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Symbol Support Center:

|   |  |                     |                                   |
|---|--|---------------------|-----------------------------------|
| United States <sup>1</sup>                | 1-800-653-5350<br>1-631-738-2400                       | Canada              | 905-629-7226                      |
| United Kingdom                            | 0800 328 2424  | Asia/Pacific        | +65-6796-9600                     |
| Australia                                 | 1-800-672-906  | Austria/Österreich  | 1-505-5794-0                      |
| Denmark/Danmark                           | 7020-1718  | Finland/Suomi       | 9 5407 580                        |
| France                                    | 01-40-96-52-21   | Germany/Deutschland | 6074-49020                        |
| Italy/Italia                              | 2-484441   | Mexico/México       | 5-520-1835                        |
| Netherlands/Nederland                     | 315-271700   | Norway/Norge        | +47 2232 4375                     |
| South Africa                              | 11-8095311   | Spain/España        | 91 324 40 00<br>Inside Spain      |
| Sweden/Sverige                            | 84452900   |                     | +34 91 324 40 00<br>Outside Spain |
| Latin America<br>Sales Support            | 1-800-347-0178 Inside US<br>+1-561-483-1275 Outside US |                     |                                   |
| Europe/Mid-East<br>Distributor Operations | Contact local distributor or call<br>+44 118 945 7360  |                     |                                   |

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<http://www.symbol.com/manuals>.



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**Revision D — August 2002**